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(57) Abstract: The present invention relates to structured triglyceride, to parental nutrition emulsions comprising same, and use thereof. In particular, the invention relates to structured triglycerides comprising at least one medium chain C_6 - C_{12} fatty acid and at least one fatty acid selected from the group consisting of long chain C_{14} - C_{18} or very long chain C_{20} - C_{22} fatty acids, preferably each fatty acid is present in a predetermined position of the glycerol backbone. The parenteral nutrition emulsions are particularly useful for nourishing preterm-and term-infants, children, critically ill patients, and cancer patients.

